



超微型压电 电荷 三轴加速度计：A/38

灵敏度：0.4pC/g 重量：0.9g 最高温度：200 ° C

包含三个剪切板传感元件的微型三轴振动传感器。A / 28 / E插件正交粘合到硬质阳极氧化铝外壳中。

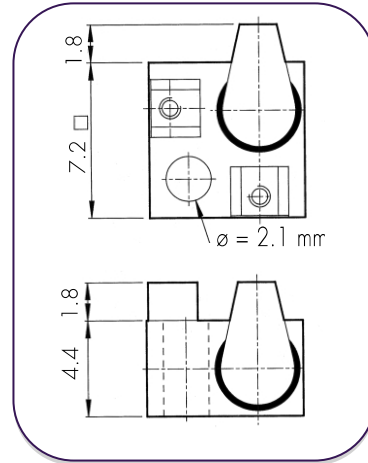
插件分别与外壳绝缘，从而消除了接地环路干扰。

额外的机械隔离隐式消除了应变引起的误差。由于换能器的固有方向特性，结构对动态强迫的空间响应可能导致错误的单轴振动或冲击测量。在认为有问题的情况下，正交三轴

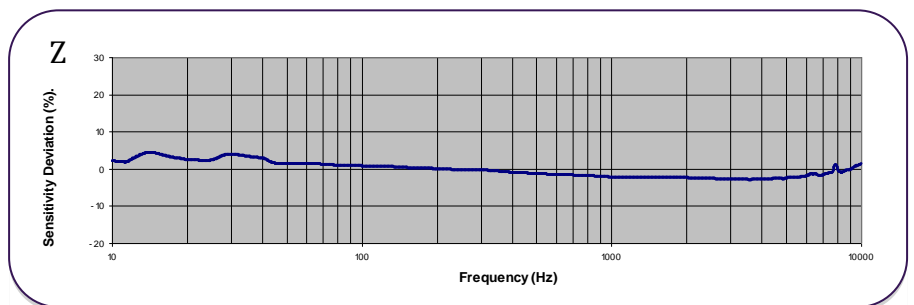
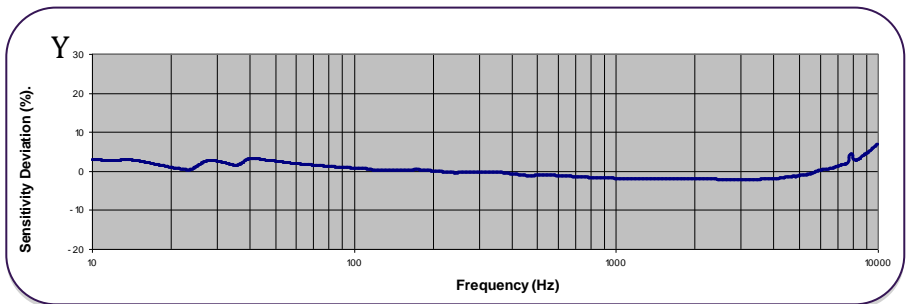
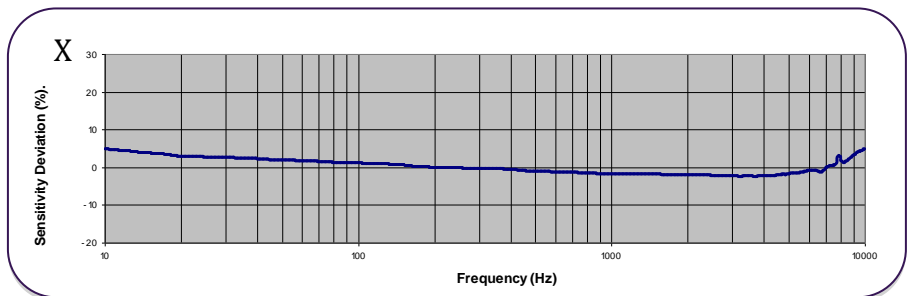
测量，允许计算绝对值和方向提供了解决方案。

A / 38-1的3个输出连接器位于同一水平面。

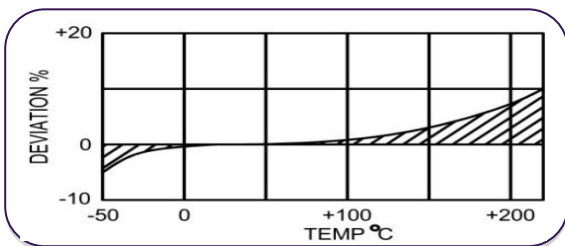
A/38



Typical Frequency Response



Temperature Response



Please note: For information and reference only. Data should not be used as pass / fail criteria for calibration purposes





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	公制	英制
Charge Sensitivity nom.	0.04pC/(m/s ²)	0.4pC/g
Resonant Frequency	X/Y Axis 32kHz	Z Axis 36kHz
Typical Frequency Response	±5% ±10%	1Hz – 10kHz 0.7Hz – 11kHz
Pyro-electric output		0.2°C
Pyro-electric corner frequency		0.001Hz
Cross Axis error		≤5% max
Capacitance		280pF
Temperature Range	-50/+200°C	-58/+ 392°F
Charge sensitivity deviation (20°C/68°F)	-5% @ -50°C +10% @ +200°C	-5% @ -58°F +10% @ +392°F
Base Strain Sensitivity		≤ 5%
Maximum Continuous accn.g sine	19613m/s ²	2000g
Max Shock g level, rise time μs	98100m/s ² ,20	10000g, 20
Case Material	Inserts s/steel 303 S31 Hard anodized aluminium block	
Mounting	x1 Ø 2.1mm through hole, Adhesive	x1 Ø 1.08in through hole, Adhesive
Weight	0.9g	0.032oz
Case Seal	Welded	
Size	7.3 x 7.3 x 4.4mm	0.29 x 0.29 x 0.17in
Connector	3 x L8	

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